Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 08 Jan 2024 until 23:59 on Tuesday 09 Jan 2024

Forecast Issued on Monday 08 Jan 2024 at 02:00

Confidence: High confidence for high pressure dominating with settled conditions, lower for cloud and fog detail.

Headline for Monday 08 Jan 2024: A cloudy start but soon brightening up with prolonged sunny spells.

Mountain weather hazards on Monday 08 Jan 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Sunny	Sunny	Partly cloudy (night)	Clear night	Clear night
Precipitation probability					
20%	10%	10%	10%	10%	10%

Forecast for Monday 08 Jan 2024

Weather: Dry with the cloud breaking up through the morning to leave prolonged sunny spells. Mostly clear skies during the evening.

Chance of cloud-free hill tops above 800m: 30% at first, soon increasing to 90%

Low cloud and visibility: Scattered cloud base 500-700m mostly clearing during the morning. Visibility good.

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Mountain Weather Forecast

Forecast for Monday 08 Jan 2024

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	21/25 E	24/29 E	25/31 E	21/26 E	26/33 E	28/36 E	27/34 E
600	9/11 E	16/21 E	19/26 E	12/17 E	19/28 E	20/27 E	15/21 E
300	1/9 NE	2/14 E	6/18 E	2/12 NE	6/22 E	10/25 E	3/14 E
Valley	4/10 NE	4/13 NE	8/17 E	6/14 NE	4/14 E	5/14 E	5/12 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-10	-3/-11	-5/-14	-5/-13	-6/-15	-6/-15	-6/-15
600	-1/-5	-1/-7	-2/-10	-2/-8	-3/-10	-4/-11	-4/-10
300	0/-1	0/-1	1/-3	0/-2	-1/-5	-2/-6	-2/-5
Valley	3/1	2/0	3/-1	3/0	2/-1	0/-2	1/-2
Freezing Level*	400m	300m	100m	200m	00m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling very cold at height, be prepared with appropriate layers.

Forecast for Tuesday 09 Jan 2024

Weather: Largely dry and sunny throughout the day on Tuesday, some patchy cloud at times in the east.

Maximum wind: Northeasterly 5-10 mph, perhaps gusting 25 mph later in the day.

Chance of cloud-free hill tops above 800m: 90%

Low cloud and visibility: Good visibility throughout.

Temperature: **Valleys:** Minus 1 to plus 3 Celsius
At 800m: Minus 3 to minus 5 Celsius
Freezing level: 0-200m, increasing 400m later

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 7 January Location: Helvellyn summit at 14:45 Full report: A very cold night with valley temperatures as low as -5 degrees C gave a heavy frost at all altitudes. Conditions on the fells were very similar to yesterday but there was a increase in the amount of ice encountered at all levels. Above 700m there were areas of verglas, rime ice and pipkrake crystals. However, with a couple of notable exceptions, the Lake District fells are generally icy but clear of snow. On Helvellyn patchy snow cover can be found above 800m on the steep east face. This was hard and well frozen. Small cornices (snow overhangs) have formed above these slopes and have slumped and cracked in last weeks warm temperatures. They are now well frozen but still a hazard if you were to walk on them. Ignore the many footprints that have ventured to the edge! Swirral Edge was in full winter condition with unavoidable compressed and icy snow, verglas and rime ice making progress very tricky. Even a simple slip here, not quickly arrested, would end in a tumbling fall over rocks. Crampons / microspikes and an ice axe are currently essential for this route especially in descent. Please don't attempt this route if you don't have the correct equipment and or skills. Striding Edge is in a lot friendlier condition with the vast majority of the ridge climbed on rock. There is a short section of unavoidable snow just below the top but this was well stepped and passable with care. Full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment including a torch, map and compass are all essential to safely roam the fells. Temperatures are forecast to be well below freezing overnight with very similar conditions tomorrow so crampons / microspikes and an ice axe will be essential for anyone who's route takes them onto the refrozen snow especially on exposed terrain. Microspikes will be very useful on paths at all altitudes. Temperature: minus 1.6C, Maximum wind speed 11.9mph, Wind chill: minus 8.3C, Average wind speed: 9.1mph

Issued at: 02:00 on Mon 08 Jan 2024

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